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SEQUENCE LISTING

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McGill University

<120> DNA ENCODING A HUMAN PROTON-GATED ION CHANNEL AND USES  
THEREOF

<130> 641050.90021

<140> CA PCT/CA98/01016

<141> 1998-10-29

<150> US09/530,233

<151> 1997-10-29

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<170> PatentIn Ver. 2.0

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<213> Homo sapiens

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Arg Arg Gln Pro Ser Asp Ile Arg Val Phe Ala Ser Asn Cys Ser Met  
15 20 25

cac ggg ctg ggc cac gtc ttc ggg cca ggc agc ctg agc ctg cgc cgg 147  
His Gly Leu Gly His Val Phe Gly Pro Gly Ser Leu Ser Leu Arg Arg  
30 35 40

ggg atg tgg gca gcg gcc gtg gtc ctg tca gtg gcc acc ttc ctc tac 195  
Gly Met Trp Ala Ala Ala Val Val Leu Ser Val Ala Thr Phe Leu Tyr  
45 50 55

cag gtg gct gag agg gtg cgc tac tac agg gag ttc cac cac cag act 243

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Ala	Leu	Asp	Glu	Arg	Glu	Ser	His	Arg	Leu	Val	Phe	Pro	Ala	Val	Thr		
75					80					85					90		
ctg	tgc	aac	atc	aac	cca	ctg	cgc	cgc	tcg	cgc	cta	acg	ccc	aac	gac	339	
Leu	Cys	Asn	Ile	Asn	Pro	Leu	Arg	Arg	Ser	Arg	Leu	Thr	Pro	Asn	Asp		
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ctg	cac	tgg	gct	ggg	tct	gcg	ctg	ctg	ggc	ctg	gat	ccc	gca	gag	cac	387	
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atg	ccc	agt	ccc	acc	ttt	gac	atg	gcg	caa	ctc	tat	gcc	cgt	gct	ggg	483	
Met	Pro	Ser	Pro	Thr	Phe	Asp	Met	Ala	Gln	Leu	Tyr	Ala	Arg	Ala	Gly		
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Cys	Gly	Pro	Glu	Asn	Phe	Thr	Thr	Ile	Phe	Thr	Arg	Met	Gly	Lys	Cys		
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Tyr	Thr	Phe	Asn	Ser	Gly	Ala	Asp	Gly	Ala	Glu	Leu	Leu	Thr	Thr	Thr		
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Arg	Gly	Gly	Met	Gly	Asn	Gly	Leu	Asp	Ile	Met	Leu	Asp	Val	Gln	Gln		
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Glu	Glu	Tyr	Leu	Pro	Val	Trp	Arg	Asp	Asn	Glu	Glu	Thr	Pro	Phe	Glu		
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Val	Gly	Ile	Arg	Val	Gln	Ile	His	Ser	Gln	Glu	Glu	Pro	Pro	Ile	Ile		
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Cys Gln Gln Gln Gln Leu Ser Phe Leu Pro Pro Pro Trp Gly Asp Cys	
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Ser Ser Ala Ser Leu Asn Pro Asn Tyr Glu Pro Glu Pro Ser Asp Pro	
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Arg Met Val Tyr Met Pro Gly Asp Val Pro Val Cys Ser Pro Gln Gln	
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Leu Asp Ile Phe Phe Glu Ala Leu Asn Tyr Glu Thr Val Glu Gln Lys	
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Lys Ala Tyr Glu Met Ser Glu Leu Leu Gly Asp Ile Gly Gly Gln Met	
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Gly Leu Phe Ile Gly Ala Ser Leu Leu Thr Ile Leu Glu Ile Leu Asp  
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 tac ctc tgt gag gtg ttc cga gac aag gtc ctg gga tat ttc tgg aac 1443  
 Tyr Leu Cys Glu Val Phe Arg Asp Lys Val Leu Gly Tyr Phe Trp Asn  
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 Arg Gln His Ser Gln Arg His Ser Ser Thr Asn Leu Leu Gln Glu Gly  
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 Leu Gly Ser His Arg Thr Gln Val Pro His Leu Ser Leu Gly Pro Arg  
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 Pro Pro Thr Pro Pro Cys Ala Val Thr Lys Thr Leu Ser Ala Ser His  
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 Arg Thr Cys Tyr Leu Val Thr Gln Leu  
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 Arg Tyr Tyr Arg Glu Phe His His Gln Thr Ala Leu Asp Glu Arg Glu  
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Ser

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